Overview

The SAIC Mission Planning System (MPS) is a sophisticated yet simple-to-use computerized aircraft mission planning system. It provides pilots, mission planners, and evaluators with preflight rehearsal and analysis information for aircraft around the world. SAIC's Memory Unit Tactical Air Crew Training System (MUTACTS), a companion product for post-flight analysis, is also available.

Applications

SAIC's MPS allows aircrews to quickly plan, analyze, re-plan and rehearse missions using digital maps, imagery, and elevation data. All information can then be loaded on data transfer devices for downloading to the aircraft avionics suite. No additional data input is necessary in the cockpit, thus enhancing rapid response and eliminating the possibility of error.

Each user interface is simple to learn and easy to operate because the system is modeled and organized to follow a pilot's mission planning workflow. SAIC's MPS is based on exportable map database technology and is available as commercial-off-the-shelf (COTS) products or can be configured to meet the specific needs of each individual customer. The SAIC MPS has been delivered to several domestic and international customers to support a variety of aircraft including the F/A-18, F-111, A-4, AV-8B, VC-25A, VC-32A, KC-135, MH-60, EH-101, WAH-64, MH-53E, AH-1, UH-1, CH-47, AH-64.

When integrated with RADSIM, SAIC's precision radar simulation capability, the MPS provides a total mission planning package.

Features

- Available for UNIX/Linux or Windows operating systems.
- Planning outputs include strip maps and kneeboard cards.
- Seamless map database contains raster maps, satellite imagery, reconnaissance photos, digital terrain elevation data (DTED), and vector data.
- Calculates the necessary flight parameters, including weaponeering, threat analysis, and the effects of weapons load on weight and drag (standard Form F for U.S. aircraft.)

Benefits

SAIC's MPS provides sophisticated tactical decision aids for fighters, bombers, transport, and rotary wing aircraft. More than 2,500 mission planning systems have been delivered for use by military aircraft in the United States, Great Britain, Australia, Switzerland, Finland, Malaysia, Italy, Argentina, and Spain. SAIC's MPS can run on COTS hardware including laptop computers, and the software is exportable.